

Title (en)

USE OF A HYDROCRACKING CATALYST COMPRISING A MICROPOROUS CRYSTALLINE SOLID MATERIAL

Title (de)

VERWENDUNG EINES KATALYSATORS ZUM HYDROCRACKEN BESTEHEND AUS EINEM MIKROPORÖSEN KRISTALLINEN FESTSTOFF

Title (fr)

L' UTILISÉ D'UN CATALYSEUR D'HYDROCRAQUAGE COMPRENANT UNE MATIÈRE SOLIDE CRISTALLINE MICROPOREUSE

Publication

EP 1535983 A1 20050601 (EN)

Application

EP 03765121 A 20030715

Priority

- ES 0300367 W 20030715
- ES 200201753 A 20020716

Abstract (en)

The invention relates to a hydrocracking catalyst containing: a hydrogenative component which is selected from at least one group VIB metal, at least one group VIII metal and combinations of same; at least one matrix comprising at least one oxide which is selected from an amorphous oxide, an oxide with low crystallinity and a mixture of both; and at least one microporous crystalline solid material which, in the calcined and anhydrous state, has molar composition $X_2O_3 : nYO_2 : mZO_2$, wherein X is a trivalent element, Y is at least one tetravalent element that is different from Ge and Z is Ge, and which, in the calcined and anhydrous state, has an X-ray diffractogram containing at least diffraction lines with d values= 13.64, 7.87, 4.82, 4.55, 4.11 and 3.41 Å. The invention also relates to the method of preparing the inventive catalyst and to the use of same in hydrocarbon hydrocracking processes.

IPC 1-7

C10G 47/20; **C10G 65/12**; **B01J 29/10**; **B01J 29/16**

IPC 8 full level

B01J 29/03 (2006.01); **B01J 23/85** (2006.01); **B01J 29/04** (2006.01); **B01J 35/00** (2006.01); **B01J 37/04** (2006.01); **B01J 37/08** (2006.01); **B01J 37/20** (2006.01); **B01J 37/30** (2006.01); **C10G 47/04** (2006.01); **C10G 47/14** (2006.01); **C10G 47/16** (2006.01); **C10G 47/18** (2006.01); **C10G 47/20** (2006.01); **B01J 23/24** (2006.01); **B01J 23/74** (2006.01)

CPC (source: EP)

B01J 23/85 (2013.01); **B01J 29/04** (2013.01); **B01J 35/19** (2024.01); **C10G 47/04** (2013.01); **C10G 47/14** (2013.01); **C10G 47/16** (2013.01); **C10G 47/18** (2013.01); **C10G 47/20** (2013.01); **B01J 23/24** (2013.01); **B01J 23/74** (2013.01); **B01J 37/20** (2013.01); **B01J 2229/20** (2013.01); **B01J 2229/42** (2013.01)

Citation (search report)

See references of WO 2004009736A1

Cited by

ES2303449A1; CN102861601A; FR2963360A1; WO2013053740A1; WO2012022852A3; WO2008014921A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1535983 A1 20050601; **EP 1535983 B1 20090826**; AT E440931 T1 20090915; AU 2003250254 A1 20040209; AU 2003250254 A8 20040209; CA 2492516 A1 20040129; CA 2492516 C 20120522; DE 60328999 D1 20091008; DK 1535983 T3 20091207; ES 2200701 A1 20040301; ES 2200701 B1 20050501; JP 2005532905 A 20051104; JP 4676760 B2 20110427; WO 2004009736 A1 20040129

DOCDB simple family (application)

EP 03765121 A 20030715; AT 03765121 T 20030715; AU 2003250254 A 20030715; CA 2492516 A 20030715; DE 60328999 T 20030715; DK 03765121 T 20030715; ES 0300367 W 20030715; ES 200201753 A 20020716; JP 2004522207 A 20030715